

Title: Laser and LED/SLED Use in Rehabilitation: A Systematic Review of the Literature

Presenter: Robert E. Post, PT, PhD

Presentation Outline:

- Background
 - Historical Use of Laser and LED/SLED in physical therapy and rehabilitation
 - Available research reports on the clinical use of Laser and other light therapies
 - General categories of conditions reported in clinical research reports
 - Often wide ranges of light delivery protocols are reported
 - Rationale for recommended guidelines for laser clinical research and systematic reviews
 - Role of World Association of Laser Therapy in recommending such guidelines
 - Focus of current systematic review on effects of low level laser therapy on carpal tunnel syndrome
 - Rationale and development of current systematic review
- Carpal Tunnel Syndrome
 - Definition
 - Etiology
 - Pathophysiology
- Method of current study
 - Comprehensive literature search
 - Keywords
 - Criteria for inclusion of selected research reports
 - Method of assessment of methodological quality
- Results of Systematic Review
 - Number of articles initially identified
 - Number of articles remaining after refinement of list
 - Articles selected for review and summary of assessment data of selected trials
 - List of reports that were excluded and rationale for exclusion
 - Analysis of methodological procedures of included articles, including analysis of any subgroups
 - Analysis of reported outcomes
- Discussion of findings
- Conclusions and recommendations/plans for the next steps

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